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Acids

- Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).
- Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).

Agricultural wastes

 Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).

Air entrainment

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Air water interactions

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Algorithms

- Efficient Algorithm for Gradually Varied Flows in Channel Networks. — D. J. Sen and N. K. Garg; 128(6), 351-7 (2002).
- Performance of Historic Downstream Canal Control Algorithms on ASCE Test Canal 1. Brian T. Wahlin and Albert J. Clemmens; 128(6), 365-75 (2002).

Alluvial valleys

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Aquifers

- Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).
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Automation

Performance of Historic Downstream Canal Control Algorithms on ASCE Test Canal 1. — Brian T. Wahlin and Albert J. Clemmens; 128(6), 365-75 (2002).

Boussinesq equations

- Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. — A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).
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Canal design

Optimal Design of Transmission Canal. — Prabhata K. Swamee, Govinda C. Mishra, and Bhagu R. Chahar; 128(4), 234-43 (2002).

Canals

- Alternative Delivery Scheduling for Improved Canal System Performance. — A. Mishra, R. Singh, and N. S. Raghuwanshi; 128(4), 244-8 (2002).
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Channels, waterways

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Colorado

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Combined sewers

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Computation

Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

Contraction

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Cost control

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Costs

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Mariño; 128(2), 116-24 (2002).

Crop yield

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Culverts

- Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. H. Chanson and L. Toombes; 128(5), 305-15 (2002).
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Decision support systems

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Delivery

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Design

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Developing countries

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Diffusivity

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Discharge coefficients

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

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- Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

Developing countries

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Discharge coefficients

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Discharge measurement

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002). Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Diversion structures

Optimal Barrage Design based on Subsurface Flow Considerations. — N. K. Garg, S. K. Bhagat, and B. N. Asthana; 128(4), 253-63 (2002).

Drag

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Drain tiles

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

Drainage

- Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).
- Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).
- Irrigation Hydrology: Crossing Scales. Wesley W. Wallender and Mark E. Grismer; 128(4), 203-11 (2002).
- Water Quality Aspects of Irrigation and Drainage: Past History and Future Challenges for Civil Engineers. — K. K. Tanji and C. G. Keyes, Jr.; 128(6), 332-40 (2002).

Drainage systems

Quantifying Management of Irrigation and Drainage Systems. — M. Javan, S. Sanaee-Jahromi, and A. A. Fiuzat; 128(1), 19-25 (2002).

Drawdown

Leaky One-Dimensional Flow with Storage and Skin Effect in Finite-Width Sink. — Louis H. Motz: 128(5), 298-304 (2002).

Dynamic programming

Coupled Reservoir Operation-Irrigation Scheduling by Dynamic Programming. — Adunias dos Santos Teixeira and Miguel A. Mariño; 128(2), 63-73 (2002).

Economic factors

A Paradigm Shift in Irrigation Management. — Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Energy

Drop and Energy Characteristics of a Rotating Spray-Plate Sprinkler. — Darrell W. DeBoer; 128(3), 137-46 (2002).

Energy dissipation

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Environmental issues

- Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).
- A Paradigm Shift in Irrigation Management. Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Evaluation

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Evaporation

- Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).
- Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002)

Evapotranspiration

Decision Support System for Estimating Reference Evapotranspiration. — Biju A. George, B. R. S. Reddy, N. S. Raghuwanshi, and W. W. Wallender; 128(1), 1-10 (2002).

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. — S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).

Enhanced Subsurface Irrigation Hydrology Model.
— Dursun Buyuktas and Wesley W. Wallender;
128(3), 168-74 (2002).

Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002).

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Experimentation

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Farms

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Feedback control

Performance of Historic Downstream Canal Control Algorithms on ASCE Test Canal 1. — Brian T. Wahlin and Albert J. Clemmens; 128(6), 365-75 (2002).

Flow rates

Microirrigation Lateral Design using Lateral Discharge Equation. — S. K. Jain, K. K. Singh, and R. P. Singh; 128(2), 125-8 (2002).

Free flow

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Furrow irrigation

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Fuzzy sets

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Gates

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Gradually varied flow

Efficient Algorithm for Gradually Varied Flows in Channel Networks. — D. J. Sen and N. K. Garg; 128(6), 351-7 (2002).

Ground-water supply

Integrated Water Management for the 21st Century: Problems and Solutions. — Herman Bouwer; 128(4), 193-202 (2002).

Head loss

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation.

— Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Heterogeneity

Irrigation Hydrology: Crossing Scales. — Wesley W. Wallender and Mark E. Grismer, 128(4), 203-11 (2002).

History

Hydraulics of Large Culvert beneath Roman Aqueduct of Nîmes. — H. Chanson; 128(5), 326-30 (2002).

Water Quality Aspects of Irrigation and Drainage: Past History and Future Challenges for Civil Engineers. — K. K. Tanji and C. G. Keyes, Jr.; 128(6), 332-40 (2002).

Humidity

Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. — S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).

Hydraulic design

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

Hydraulic models

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Hydraulic properties

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

Hydraulic structures

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Hydraulic

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Hydrologic models

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Hydrology

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India

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Installation

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Integrated systems

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Irrigation

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Linear programming

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Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Methodology

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Monitoring

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Neural networks

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Nonlinear systems

Irrigation Hydrology: Crossing Scales. — Wesley W. Wallender and Mark E. Grismer; 128(4), 203-11 (2002).

Numerical models

 Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).

Enhanced Subsurface Irrigation Hydrology Model.
— Dursun Buyuktas and Wesley W. Wallender;
128(3), 168-74 (2002).

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

One-dimensional flow

Leaky One-Dimensional Flow with Storage and Skin Effect in Finite-Width Sink. — Louis H. Motz; 128(5), 298-304 (2002).

Optimization

Optimal Design of Transmission Canal. — Prabhata K. Swamee, Govinda C. Mishra, and Bhagu R. Chahar; 128(4), 234-43 (2002).

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Optimization design

Hydraulic Analysis and Optimum Design of Multidiameter Irrigation Laterals. — John D. Valiantzas; 128(2), 78-86 (2002).

Optimization models

Coupled Reservoir Operation-Irrigation Scheduling by Dynamic Programming. — Adunias dos Santos Teixeira and Miguel A. Mariño; 128(2), 63-73 (2002).

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Mariño; 128(2), 116-24 (2002).

Outflows

Continuous Outflow Variation along Irrigation Laterals: Effect of the Number of Outlets. — John D. Valiantzas; 128(1), 34-42 (2002).

Hydraulic Analysis and Optimum Design of Multidiameter Irrigation Laterals. — John D. Valiantzas; 128(2), 78-86 (2002).

Overland flow

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

Pakistan

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Penetration

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Performance

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Pipe bedding

Minimum-Risk Bedding for Flexible Drain Pipes.

— Lyman S. Willardson and Reynold K. Watkins; 128(2), 74-7 (2002).

Pipelines

Hydraulic Analysis and Optimum Design of Multidiameter Irrigation Laterals. — John D. Valiantzas; 128(2), 78-86 (2002).

Polymers

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Population

Integrated Water Management for the 21st Century: Problems and Solutions. — Herman Bouwer; 128(4), 193-202 (2002).

Porous media

Enhanced Subsurface Irrigation Hydrology Model.
 Dursun Buyuktas and Wesley W. Wallender;
 128(3), 168-74 (2002).

Pressure reduction

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

Remote sensing

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Reservoir operation

Coupled Reservoir Operation-Irrigation Scheduling by Dynamic Programming. — Adunias dos Santos Teixeira and Miguel A. Mariño; 128(2), 63-73 (2002).

Resistance

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Risl

Minimum-Risk Bedding for Flexible Drain Pipes.
 Lyman S. Willardson and Reynold K.
 Watkins; 128(2), 74-7 (2002).

A Paradigm Shift in Irrigation Management. — Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Rotation

Drop and Energy Characteristics of a Rotating Spray-Plate Sprinkler. — Darrell W. DeBoer; 128(3), 137-46 (2002).

Salinity

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Salt water intrusion

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Scale ratio

Irrigation Hydrology: Crossing Scales. — Wesley W. Wallender and Mark E. Grismer; 128(4), 203-11 (2002).

Scheduling

Alternative Delivery Scheduling for Improved Canal System Performance. — A. Mishra, R. Singh, and N. S. Raghuwanshi; 128(4), 244-8 (2002).

Sedimentation

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Seepage

Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. — A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).

Shock waves

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Silts

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Simulation

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

Slopes

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Mariño; 128(2), 116-24 (2002).

Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. — A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).

Soils

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

 Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).

 Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Sprinkler irrigation

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A.
 A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

Sprinklers

Drop and Energy Characteristics of a Rotating Spray-Plate Sprinkler. — Darrell W. DeBoer; 128(3), 137-46 (2002).

Streams

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Submerged flow

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Subsurface flow

Optimal Barrage Design based on Subsurface Flow Considerations. — N. K. Garg, S. K. Bhagat, and B. N. Asthana; 128(4), 253-63 (2002).

Supercritical flow

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Surface irrigation

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Trickle irrigation

Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation.

— Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Turkey

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Uniform flow

Hydraulic Analysis and Optimum Design of Multidiameter Irrigation Laterals. — John D. Valiantzas; 128(2), 78-86 (2002).

Unsteady flow

Efficient Algorithm for Gradually Varied Flows in Channel Networks. — D. J. Sen and N. K. Garg; 128(6), 351-7 (2002).

Validation

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Variability

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Water discharge

Microirrigation Lateral Design using Lateral Discharge Equation. — S. K. Jain, K. K. Singh, and R. P. Singh; 128(2), 125-8 (2002).

Water flow

- Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).
- Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).
- Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Water infiltration

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Water management

- Quantifying Management of Irrigation and Drainage Systems. M. Javan, S. Sanaee-Jahromi, and A. A. Fiuzat; 128(1), 19-25 (2002).
- Integrated Water Management for the 21st Century: Problems and Solutions. Herman Bouwer; 128(4), 193-202 (2002).

Water pipelines

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Maríño; 128(2), 116-24 (2002).

Water pollution

Integrated Water Management for the 21st Century: Problems and Solutions. — Herman Bouwer; 128(4), 193-202 (2002).

Water resources management

Water Quality Aspects of Irrigation and Drainage: Past History and Future Challenges for Civil Engineers. — K. K. Tanji and C. G. Keyes, Jr.; 128(6), 332-40 (2002).

Water reuse

Problems and Solutions. — Herman Bouwer; 128(4), 193-202 (2002).

Water table

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

- Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).
- Analytical Solution for Transient Water Table Heights and Outflows from Inclined Ditch-Drained Terrains. — Niko E. C. Verhoest, Valentijn R. N. Pauwels, Peter A. Troch, and François P. De Troch; 128(6), 358-64 (2002).

Waterways

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15

Wave propagation

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Weirs

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Author Index

Angold, Russdon

Closure to "Flap Gate Design for Automatic Upstream Canal Water Level Control" by Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles. — Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles; 128(4), 264-5 (2002).

Araghi-Nejhad, Shahab

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Asthana, B. N.

Optimal Barrage Design based on Subsurface Flow Considerations. — N. K. Garg, S. K. Bhagat, and B. N. Asthana; 128(4), 253-63 (2002).

Atmapoojya, Sohan L.

Discussion of "Optimal Design of Parabolic-Bottomed Triangle Canals" by K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes. — Sohan L. Atmapoojya and Ramesh N. Ingle; 128(3), 189-90 (2002).

Babaeyan-Koopaei, K.

Closure to "Optimal Design of Parabolic-Bottomed Triangle Canals" by K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes. —
K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes; 128(3), 190-1 (2002).

Bastiaanssen, Wim

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Baume, Jean-Pierre

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Belaud, Gilles

Maintaining Equity in Surface Irrigation Network Affected by Silt Deposition. — Gilles Belaud and Jean-Pierre Baume; 128(5), 316-25 (2002).

Bhagat, S. K.

Optimal Barrage Design based on Subsurface Flow Considerations. — N. K. Garg, S. K. Bhagat, and B. N. Asthana; 128(4), 253-63 (2002).

Bonnell, R. B.

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Bouwer, Herman

Integrated Water Management for the 21st Century: Problems and Solutions. — Herman Bouwer; 128(4), 193-202 (2002).

Broner, Israel

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Broughton, R. S.

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Brufan F

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

Burkhalter, J. Philip

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Burt, Charles M.

Closure to "Flap Gate Design for Automatic Upstream Canal Water Level Control" by Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles. — Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles; 128(4), 264-5 (2002).

Buyuktas, Dursun

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

 Enhanced Subsurface Irrigation Hydrology Model.
 Dursun Buyuktas and Wesley W. Wallender; 128(3), 168-74 (2002).

Chahar, Bhagu R.

Optimal Design of Transmission Canal. — Prabhata K. Swamee, Govinda C. Mishra, and Bhagu R. Chahar; 128(4), 234-43 (2002).

Chang, Li

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

Chanson, H.

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Hydraulics of Large Culvert beneath Roman Aqueduct of Nîmes. — H. Chanson; 128(5), 326-30 (2002)

Chatterjee, C.

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Chauhan, H. S.

Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. — A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).

Chaurasia, Shri Ram

Discussion of "Stability and Mobility of Sand-Bed Channels Affected by Seepage" by Achanta Ramakrishna Rao and Nagaraj Sitaram. — Shri Ram Chaurasia; 128(2), 132-4 (2002).

Clemmens, Albert J.

Performance of Historic Downstream Canal Control Algorithms on ASCE Test Canal 1. — Brian T. Wahlin and Albert J. Clemmens; 128(6), 365-75 (2002).

Cook, Freeman J.

 Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).

 Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).

DeBoer, Darrell W.

Drop and Energy Characteristics of a Rotating Spray-Plate Sprinkler. — Darrell W. DeBoer; 128(3), 137-46 (2002).

De Martino, Flavio

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

De Troch, François P.

Analytical Solution for Transient Water Table Heights and Outflows from Inclined Ditch-Drained Terrains. — Niko E. C. Verhoest, Valentijn R. N. Pauwels, Peter A. Troch, and François P. De Troch; 128(6), 358-64 (2002).

Dey, Subhasish

Closure to "EDR in Circular Channels" by Subhasish Dey. — Subhasish Dey; 128(6), 404 (2002).

dos Santos Teixeira, Adunias

Coupled Reservoir Operation-Irrigation Scheduling by Dynamic Programming. — Adunias dos Santos Teixeira and Miguel A. Mariño; 128(2), 63-73 (2002).

Droogers, Peter

Irrigation Performance using Hydrological and Remote Sensing Modeling. — Peter Droogers and Wim Bastiaanssen; 128(1), 11-8 (2002).

Elmiligui, A. A.

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

English, Marshall J.

A Paradigm Shift in Irrigation Management. — Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Ferro, Vito

Discussion of "Simple Flume for Flow Measurement in Open Channel" by Zohrab Samani and Henry Magallanez. — Vito Ferro; 128(2), 129-31 (2002).

Discussion of "EDR in Circular Channels" by Subhasish Dey. — Vito Ferro; 128(6), 401-3 (2002).

Fiuzat, A. A.

Quantifying Management of Irrigation and Drainage Systems. — M. Javan, S. Sanaee-Jahromi, and A. A. Fiuzat; 128(1), 19-25 (2002).

Gao, Qianzhao

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

García-Navarro, P.

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

Gardner, Edward A.

 Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).

Garg, N. K.

Optimal Barrage Design based on Subsurface Flow Considerations. — N. K. Garg, S. K. Bhagat, and B. N. Asthana; 128(4), 253-63 (2002).

Efficient Algorithm for Gradually Varied Flows in Channel Networks. — D. J. Sen and N. K. Garg; 128(6), 351-7 (2002).

Gates, Timothy K.

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

George, Biju A.

Decision Support System for Estimating Reference Evapotranspiration. — Biju A. George, B. R. S. Reddy, N. S. Raghuwanshi, and W. W. Wallender; 128(1), 1-10 (2002).

Gisonni, Corrado

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Grismer, M. E.

Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002).

Grismer, Mark E.

Irrigation Hydrology: Crossing Scales. — Wesley W. Wallender and Mark E. Grismer; 128(4), 203-11 (2002).

Hager, Willi H.

Discussion of "Flap Gate Design for Automatic Upstream Canal Water Level Control" by Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles. — Willi H. Hager; 128(4), 264 (2002).

Drop in Combined Sewer Manhole for Supercritical Flow. — Flavio De Martino, Corrado Gisonni, and Willi H. Hager; 128(6), 397-400 (2002).

Discussion of "EDR in Circular Channels" by Subhasish Dey. — Willi H. Hager; 128(6), 401

Haman, D. Z.

Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. — S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).

Hoffman, Glenn J.

A Paradigm Shift in Irrigation Management. — Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Ingle, Ramesh N.

Discussion of "Optimal Design of Parabolic-Bottomed Triangle Canals" by K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes. — Sohan L. Atmapoojya and Ramesh N. Ingle; 128(3), 189-90 (2002).

Irmak, S.

Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. — S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).

Jain, S. K.

Microirrigation Lateral Design using Lateral Discharge Equation. — S. K. Jain, K. K. Singh, and R. P. Singh; 128(2), 125-8 (2002).

Javan, M.

Quantifying Management of Irrigation and Drainage Systems. — M. Javan, S. Sanaee-Jahromi, and A. A. Fiuzat; 128(1), 19-25 (2002).

Jones, J. W.

Evaluation of Class A Pan Coefficients for Estimating Reference Evapotranspiration in Humid Location. — S. Irmak, D. Z. Haman, and J. W. Jones; 128(3), 153-9 (2002).

Juana, Luis

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Kar. S. K.

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Karamouz, Mohammad

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Kassab, S. Z.

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Kerachian, Reza

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Keyes, C. G., Jr.

Water Quality Aspects of Irrigation and Drainage: Past History and Future Challenges for Civil Engineers. — K. K. Tanji and C. G. Keyes, Jr.; 128(6), 332-40 (2002).

Khalil, M. F.

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Kumar, M.

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Labadie, John W.

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Lehmkuhl, Mike

Closure to "Flap Gate Design for Automatic Upstream Canal Water Level Control" by Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles. — Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles; 128(4), 264-5 (2002).

Lin, C. H.

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Losada, Alberto

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Luque-Escamilla, Pedro L.

Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

Magallanez, Henry

Closure to "Simple Flume for Flow Measurement in Open Channel" by Zohrab Samani and Henry Magallanez. — Zohrab Samani and Henry Magallanez; 128(2), 131-2 (2002).

Maheshwari, Basant

Review of Research perspectives in hydraulics and water resources engineering edited by R. Prasad and S. Vedula. — Basant Maheshwari; 128(6), 405 (2002).

Mariño, Miguel A.

Coupled Reservoir Operation-Irrigation Scheduling by Dynamic Programming. — Adunias dos Santos Teixeira and Miguel A. Mariño; 128(2), 63-73 (2002).

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Mariño; 128(2), 116-24 (2002).

Mateos, L.

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Matvac, R.

Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002).

Mishra, A.

Alternative Delivery Scheduling for Improved Canal System Performance. — A. Mishra, R. Singh, and N. S. Raghuwanshi; 128(4), 244-8 (2002).

Mishra, Govind C.

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Mishra, Govinda C.

Optimal Design of Transmission Canal. — Prabhata K. Swamee, Govinda C. Mishra, and Bhagu R. Chahar; 128(4), 234-43 (2002).

Motz, Louis H.

Leaky One-Dimensional Flow with Storage and Skin Effect in Finite-Width Sink. — Louis H. Motz; 128(5), 298-304 (2002).

Naoum, F. A.

Applications of Drag-Reducing Polymers in Sprinkler Irrigation Systems: Sprinkler Head Performance. — M. F. Khalil, S. Z. Kassab, A. A. Elmiligui, and F. A. Naoum; 128(3), 147-52 (2002).

Ojha, Chandra Shekhar P.

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Orang, M.

Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002).

Oyonarte, N. A.

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Palomo, M. J.

Infiltration Variability in Furrow Irrigation. — N. A. Oyonarte, L. Mateos, and M. J. Palomo; 128(1), 26-33 (2002).

Patel, R. M.

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Pauwels, Valentijn R. N.

Analytical Solution for Transient Water Table Heights and Outflows from Inclined Ditch-Drained Terrains. — Niko E. C. Verhoest, Valentijn R. N. Pauwels, Peter A. Troch, and François P. De Troch; 128(6), 358-64 (2002).

Petersohn, Uwe

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Playán, E.

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

Prasher, S. O.

Development of Comprehensive Soil Salinity Index. — R. M. Patel, S. O. Prasher, R. B. Bonnell, and R. S. Broughton; 128(3), 185-8 (2002).

Pruitt, W. O.

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Raghuwanshi, N. S.

Decision Support System for Estimating Reference Evapotranspiration. — Biju A. George, B. R. S. Reddy, N. S. Raghuwanshi, and W. W. Wallender; 128(1), 1-10 (2002).

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Alternative Delivery Scheduling for Improved Canal System Performance. — A. Mishra, R. Singh, and N. S. Raghuwanshi; 128(4), 244-8 (2002).

Ramakrishna Rao, Achanta

Closure to "Stability and Mobility of Sand-Bed Channels Affected by Seepage" by Achanta Ramakrishna Rao and Nagaraj Sitaram. — Achanta Ramakrishna Rao and Nagaraj Sitaram; 128(2), 134-5 (2002).

Rassam, Daud W.

 Field and Laboratory Studies of Acid Sulfate Soils. — Daud W. Rassam, Freeman J. Cook, and Edward A. Gardner; 128(2), 100-6 (2002).

 Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. — Daud W. Rassam and Freeman J. Cook; 128(2), 107-15 (2002).

Reddy, B. R. S.

Decision Support System for Estimating Reference Evapotranspiration. — Biju A. George, B. R. S. Reddy, N. S. Raghuwanshi, and W. W. Wallender; 128(1), 1-10 (2002).

Rodríguez-Sinobas, Leonor

Determining Minor Head Losses in Drip Irrigation Laterals. I: Methodology. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 376-84 (2002).

Determining Minor Head Losses in Drip Irrigation Laterals. II: Experimental Study and Validation. — Luis Juana, Leonor Rodríguez-Sinobas, and Alberto Losada; 128(6), 385-96 (2002).

Saad, João C. C.

Optimum Design of Microirrigation Systems in Sloping Lands. — João C. C. Saad and Miguel A. Mariño; 128(2), 116-24 (2002).

Samani, Zohrab

Closure to "Simple Flume for Flow Measurement in Open Channel" by Zohrab Samani and Henry Magallanez. — Zohrab Samani and Henry Magallanez; 128(2), 131-2 (2002).

Sanaee-Jahromi, S.

Quantifying Management of Irrigation and Drainage Systems. — M. Javan, S. Sanaee-Jahromi, and A. A. Fiuzat; 128(1), 19-25 (2002).

Schmitz, Gerd H.

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Schütze, Niels

New Strategy for Optimizing Water Application under Trickle Irrigation. — Gerd H. Schmitz, Niels Schütze, and Uwe Petersohn; 128(5), 287-97 (2002).

Sen. D. J.

Efficient Algorithm for Gradually Varied Flows in Channel Networks. — D. J. Sen and N. K. Garg; 128(6), 351-7 (2002).

Singh, K. K.

Microirrigation Lateral Design using Lateral Discharge Equation. — S. K. Jain, K. K. Singh, and R. P. Singh; 128(2), 125-8 (2002).

Singh, R

Discharge Characteristics of Chimney Weir under Free-Flow Conditions. — C. Chatterjee, R. Singh, and S. K. Kar; 128(3), 175-9 (2002).

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Alternative Delivery Scheduling for Improved Canal System Performance. — A. Mishra, R. Singh, and N. S. Raghuwanshi; 128(4), 244-8 (2002).

Singh, R. P.

Microirrigation Lateral Design using Lateral Discharge Equation. — S. K. Jain, K. K. Singh, and R. P. Singh; 128(2), 125-8 (2002).

Singh, Sushil K.

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Sitaram, Nagaraj

Closure to "Stability and Mobility of Sand-Bed Channels Affected by Seepage" by Achanta Ramakrishna Rao and Nagaraj Sitaram. — Achanta Ramakrishna Rao and Nagaraj Sitaram; 128(2), 134-5 (2002).

Snyder, R.

Pan Evaporation to Reference Evapotranspiration Conversion Methods. — M. E. Grismer, M. Orang, R. Snyder, and R. Matyac; 128(3), 180-4 (2002).

Solomon, Kenneth H.

A Paradigm Shift in Irrigation Management. — Marshall J. English, Kenneth H. Solomon, and Glenn J. Hoffman; 128(5), 267-77 (2002).

Standley, Laurel J.

Review of Improving irrigation governance and management in Nepal edited by G. P. Shivakoti and E. Ostrom. — Laurel J. Standley; 128(4), 266 (2002).

Styles, Stuart

Closure to "Flap Gate Design for Automatic Upstream Canal Water Level Control" by Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles. — Charles M. Burt, Russdon Angold, Mike Lehmkuhl, and Stuart Styles; 128(4), 264-5 (2002).

Su, Derong

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

Swailes, D. C.

Closure to "Optimal Design of Parabolic-Bottomed Triangle Canals" by K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes. —
K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes; 128(3), 190-1 (2002).

Swamee, Prabhata K.

Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. — Sushil K. Singh, Govind C. Mishra, Prabhata K. Swamee, and Chandra Shekhar P. Ojha; 128(1), 57-61 (2002).

Optimal Design of Transmission Canal. — Prabhata K. Swamee, Govinda C. Mishra, and Bhagu R. Chahar; 128(4), 234-43 (2002).

Tanji, K. K.

Water Quality Aspects of Irrigation and Drainage: Past History and Future Challenges for Civil Engineers. — K. K. Tanji and C. G. Keyes, Jr.; 128(6), 332-40 (2002).

Tian, Yuan

Microirrigation Submain Unit with Pressure Reducing Pipes. — Derong Su, Yuan Tian, Qianzhao Gao, and Li Chang; 128(1), 43-8 (2002).

Toombes, L.

Energy Dissipation and Air Entrainment in Stepped Storm Waterway: Experimental Study. — H. Chanson and L. Toombes; 128(5), 305-15 (2002).

Troch, Peter A.

Analytical Solution for Transient Water Table Heights and Outflows from Inclined Ditch-Drained Terrains. — Niko E. C. Verhoest, Valentijn R. N. Pauwels, Peter A. Troch, and François P. De Troch; 128(6), 358-64 (2002).

Tsai, C. T.

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Upadhyaya, A.

Water Table Rise in Sloping Aquifer due to Canal Seepage and Constant Recharge. — A. Upadhyaya and H. S. Chauhan; 128(3), 160-7 (2002).

Valentine, E. M.

Closure to "Optimal Design of Parabolic-Bottomed Triangle Canals" by K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes. —
K. Babaeyan-Koopaei, E. M. Valentine, and D. C. Swailes; 128(3), 190-1 (2002).

Valiantzas, John D.

Continuous Outflow Variation along Irrigation Laterals: Effect of the Number of Outlets. — John D. Valiantzas; 128(1), 34-42 (2002).

Hydraulic Analysis and Optimum Design of Multidiameter Irrigation Laterals. — John D. Valiantzas; 128(2), 78-86 (2002).

Vallesquino, Pedro

Equivalent Friction Factor Method for Hydraulic Calculation in Irrigation Laterals. — Pedro Vallesquino and Pedro L. Luque-Escamilla; 128(5), 278-86 (2002).

Valliant, James C.

Monitoring and Modeling Flow and Salt Transport in a Salinity-Threatened Irrigated Valley. — Timothy K. Gates, J. Philip Burkhalter, John W. Labadie, James C. Valliant, and Israel Broner; 128(2), 87-99 (2002).

Verhoest, Niko E. C.

Analytical Solution for Transient Water Table Heights and Outflows from Inclined Ditch-Drained Terrains. — Niko E. C. Verhoest, Valentijn R. N. Pauwels, Peter A. Troch, and François P. De Troch; 128(6), 358-64 (2002).

Wahlin, Brian T.

Performance of Historic Downstream Canal Control Algorithms on ASCE Test Canal 1. — Brian T. Wahlin and Albert J. Clemmens; 128(6), 365-75 (2002).

Wallender, W. W.

Decision Support System for Estimating Reference Evapotranspiration. — Biju A. George, B. R. S. Reddy, N. S. Raghuwanshi, and W. W. Wallender; 128(1), 1-10 (2002).

Estimating Evapotranspiration using Artificial Neural Network. — M. Kumar, N. S. Raghuwanshi, R. Singh, W. W. Wallender, and W. O. Pruitt; 128(4), 224-33 (2002).

Wallender, Wesley W.

Numerical Simulation of Water Flow and Solute Transport to Tile Drains. — Dursun Buyuktas and Wesley W. Wallender; 128(1), 49-56 (2002).

Enhanced Subsurface Irrigation Hydrology Model.
— Dursun Buyuktas and Wesley W. Wallender;
128(3), 168-74 (2002).

Irrigation Hydrology: Crossing Scales. — Wesley W. Wallender and Mark E. Grismer; 128(4), 203-11 (2002).

Watkins, Reynold K.

Minimum-Risk Bedding for Flexible Drain Pipes.

— Lyman S. Willardson and Reynold K. Watkins; 128(2), 74-7 (2002).

Willardson, Lyman S.

Minimum-Risk Bedding for Flexible Drain Pipes.

— Lyman S. Willardson and Reynold K. Watkins; 128(2), 74-7 (2002).

Yen, J. F.

Influence of Sluice Gate Contraction Coefficient on Distinguishing Condition. — C. H. Lin, J. F. Yen, and C. T. Tsai; 128(4), 249-52 (2002).

Zahraie, Banafsheh

Monitoring and Evaluation Scheme using the Multiple-Criteria-Decision-Making Technique: Application to Irrigation Projects. — Mohammad Karamouz, Reza Kerachian, Banafsheh Zahraie, and Shahab Araghi-Nejhad; 128(6), 341-50 (2002).

Zanata, N.

Numerical Modeling of Basin Irrigation with an Upwind Scheme. — P. Brufau, P. García-Navarro, E. Playán, and N. Zapata; 128(4), 212-23 (2002).

